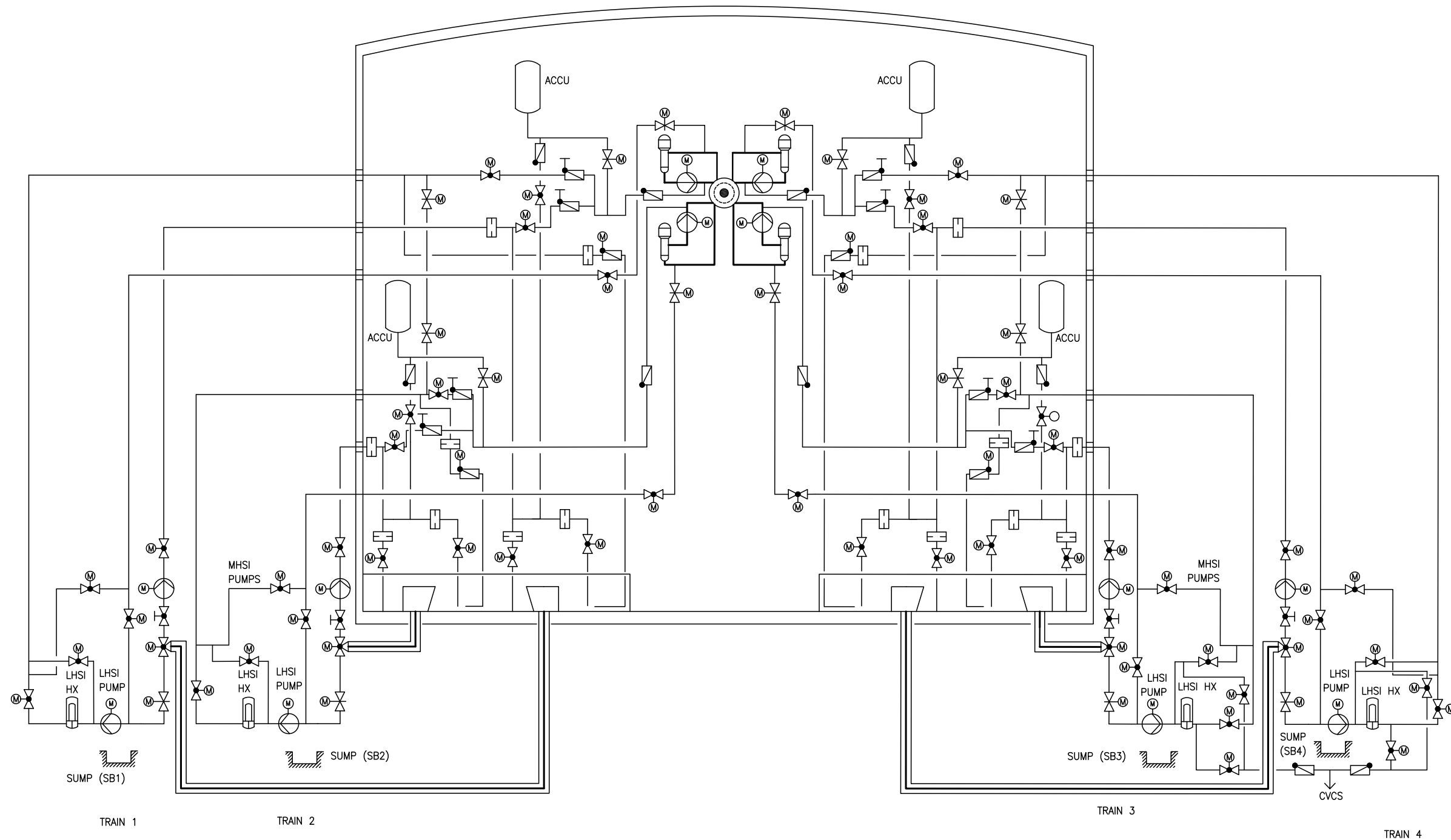
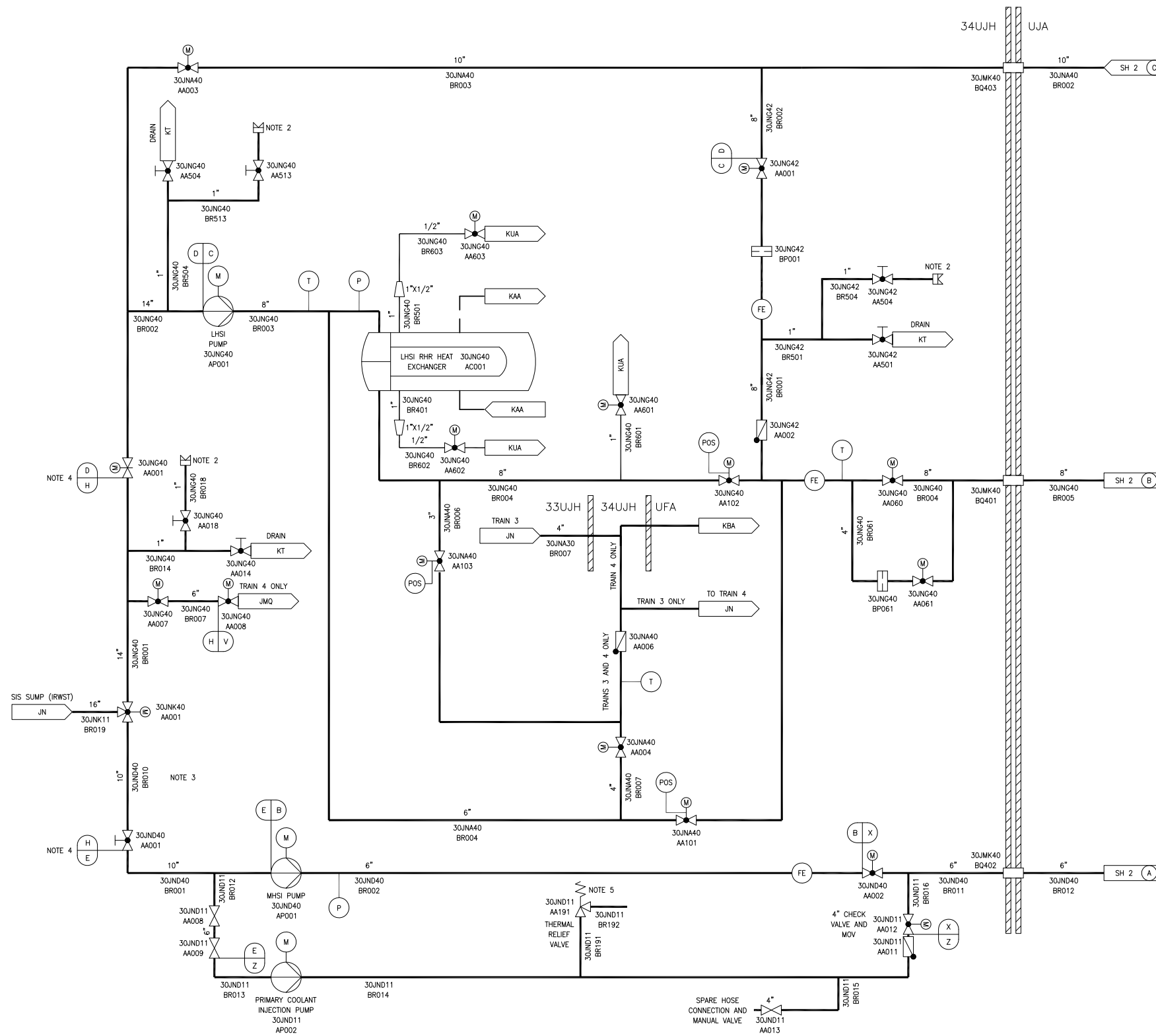


Figure 6.3-1—Safety Injection System Overview



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JNX03T2

Figure 6.3-2—Safety Injection / Residual Heat Removal System Train (Typical)
Sheet 1 of 2



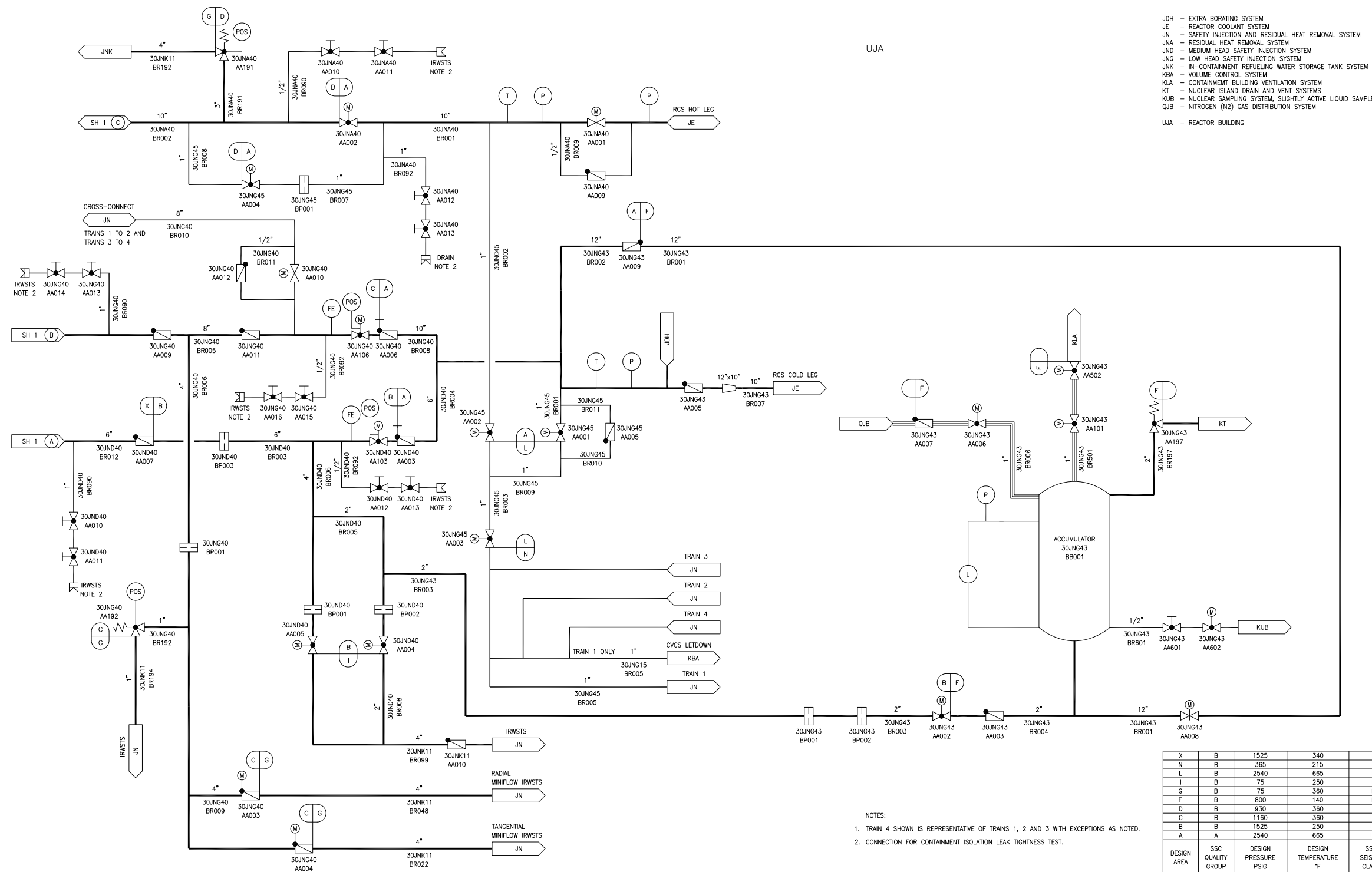
- JMQ - SEVERE ACCIDENT HEAT REMOVAL SYSTEM
 - JN - SAFETY INJECTION AND RESIDUAL HEAT REMOVAL SYSTEM
 - JNA - RESIDUAL HEAT REMOVAL SYSTEM
 - JND - MEDIUM HEAD SAFETY INJECTION SYSTEM
 - JNG - LOW HEAD SAFETY INJECTION SYSTEM
 - JNK - IN-CONTAINMENT REFUELING WATER STORAGE TANK SYSTEM
 - KAA - COMPONENT COOLING WATER SYSTEM SUPPLY TRAIN
 - KBA - VOLUME CONTROL SYSTEM
 - KT - NUCLEAR ISLAND DRAIN AND VENT SYSTEM
 - KUA - NUCLEAR SAMPLING SYSTEM- ACTIVE LIQUID SAMPLES
- UJA - REACTOR BUILDING
 33UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 3
 34UJH - SAFEGUARD BUILDING MECHANICAL, DIVISION 4
 UFA - FUEL BUILDING

- NOTES:
1. TRAIN 4 SHOWN: REPRESENTATIVE OF TRAINS 1, 2 AND 3 WITH EXCEPTIONS AS NOTED.
 2. CONNECTION FOR CONTAINMENT ISOLATION LEAK TIGHTNESS TEST.
 3. 30JND40 BR010 APPLIES TO TRAIN 4 ONLY. FOR TRAINS 1, 2 AND 3, 30JND10/20/30 BR001 EXTENDS TO THE 3-WAY VALVE.
 4. DESIGN AREA H ENDS AT THE INLET TO THE 3-WAY VALVE AND CONTINUES AS DESIGN AREA E FOR TRAINS 1, 2 AND 3.
 5. DISCHARGE TO VISIBLE LOCATION.

Z	D	600	250	II
X	B	1525	340	I
V	B	175	320	I
H	B	75	320	I
E	B	75	250	I
D	B	930	360	I
C	B	1160	360	I
B	B	1525	250	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

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Figure 6.3-2—Safety Injection / Residual Heat Removal System Train (Typical)
Sheet 2 of 2



- JDH - EXTRA BORATING SYSTEM
- JE - REACTOR COOLANT SYSTEM
- JN - SAFETY INJECTION AND RESIDUAL HEAT REMOVAL SYSTEM
- JNA - RESIDUAL HEAT REMOVAL SYSTEM
- JND - MEDIUM HEAD SAFETY INJECTION SYSTEM
- JNG - LOW HEAD SAFETY INJECTION SYSTEM
- JNK - IN-CONTAINMENT REFUELING WATER STORAGE TANK SYSTEM
- KBA - VOLUME CONTROL SYSTEM
- KLA - CONTAINMENT BUILDING VENTILATION SYSTEM
- KT - NUCLEAR ISLAND DRAIN AND VENT SYSTEMS
- KUB - NUCLEAR SAMPLING SYSTEM, SLIGHTLY ACTIVE LIQUID SAMPLES
- QJB - NITROGEN (N2) GAS DISTRIBUTION SYSTEM
- UJA - REACTOR BUILDING

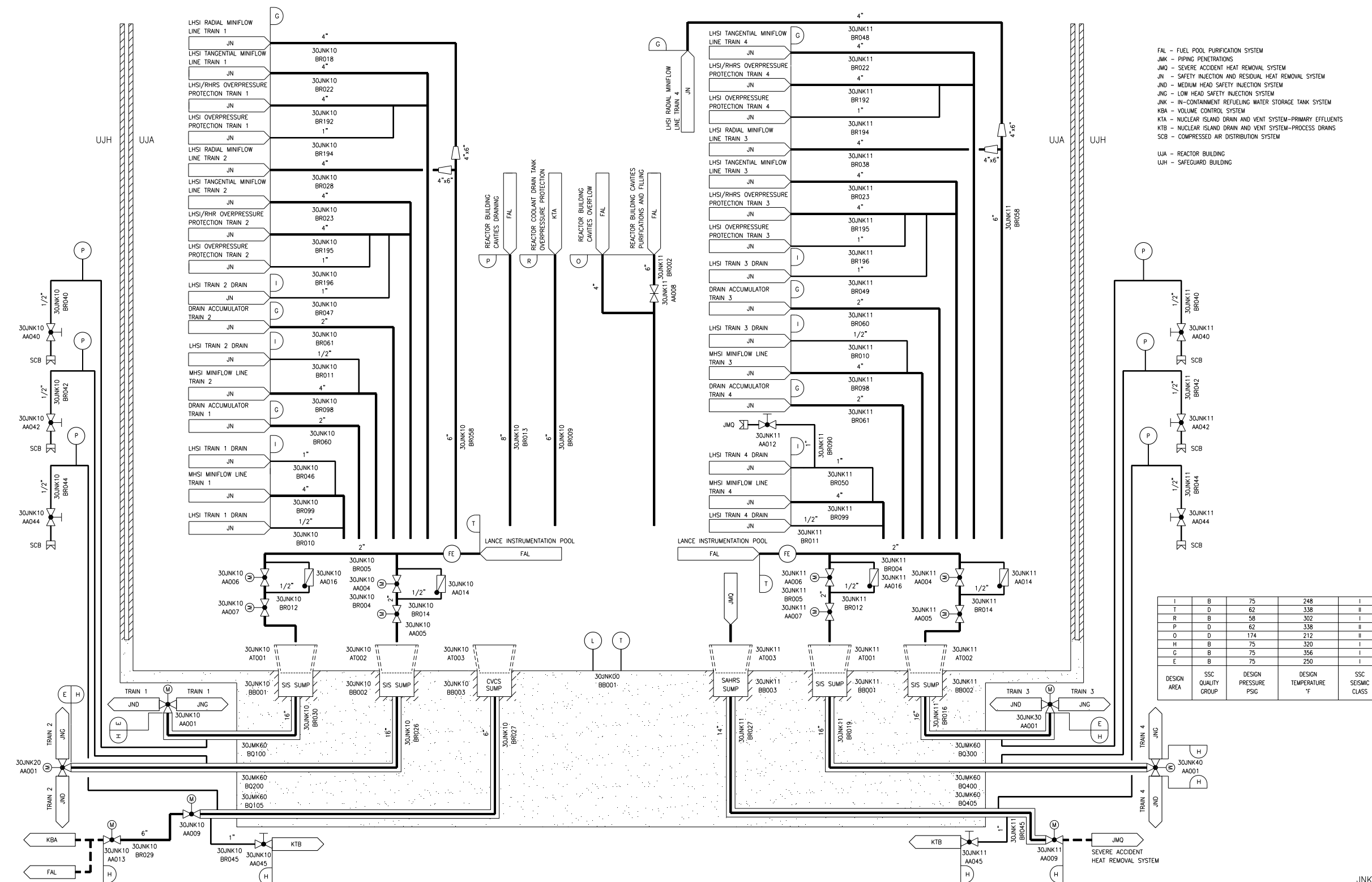
UJA

- NOTES:
1. TRAIN 4 SHOWN IS REPRESENTATIVE OF TRAINS 1, 2 AND 3 WITH EXCEPTIONS AS NOTED.
 2. CONNECTION FOR CONTAINMENT ISOLATION LEAK TIGHTNESS TEST.

X	B	1525	340	I
N	B	365	215	I
L	B	2540	665	I
I	B	75	250	I
G	B	75	360	I
F	B	800	140	I
D	B	930	360	I
C	B	1160	360	I
B	B	1525	250	I
A	A	2540	665	I
DESIGN AREA	SSC QUALITY GROUP	DESIGN PRESSURE PSIG	DESIGN TEMPERATURE °F	SSC SEISMIC CLASS

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Figure 6.3-3—IRWST Layout



JNK01T2